Eschwind et al
IDRQ-2001-0800 (GRPT) (8128-545)

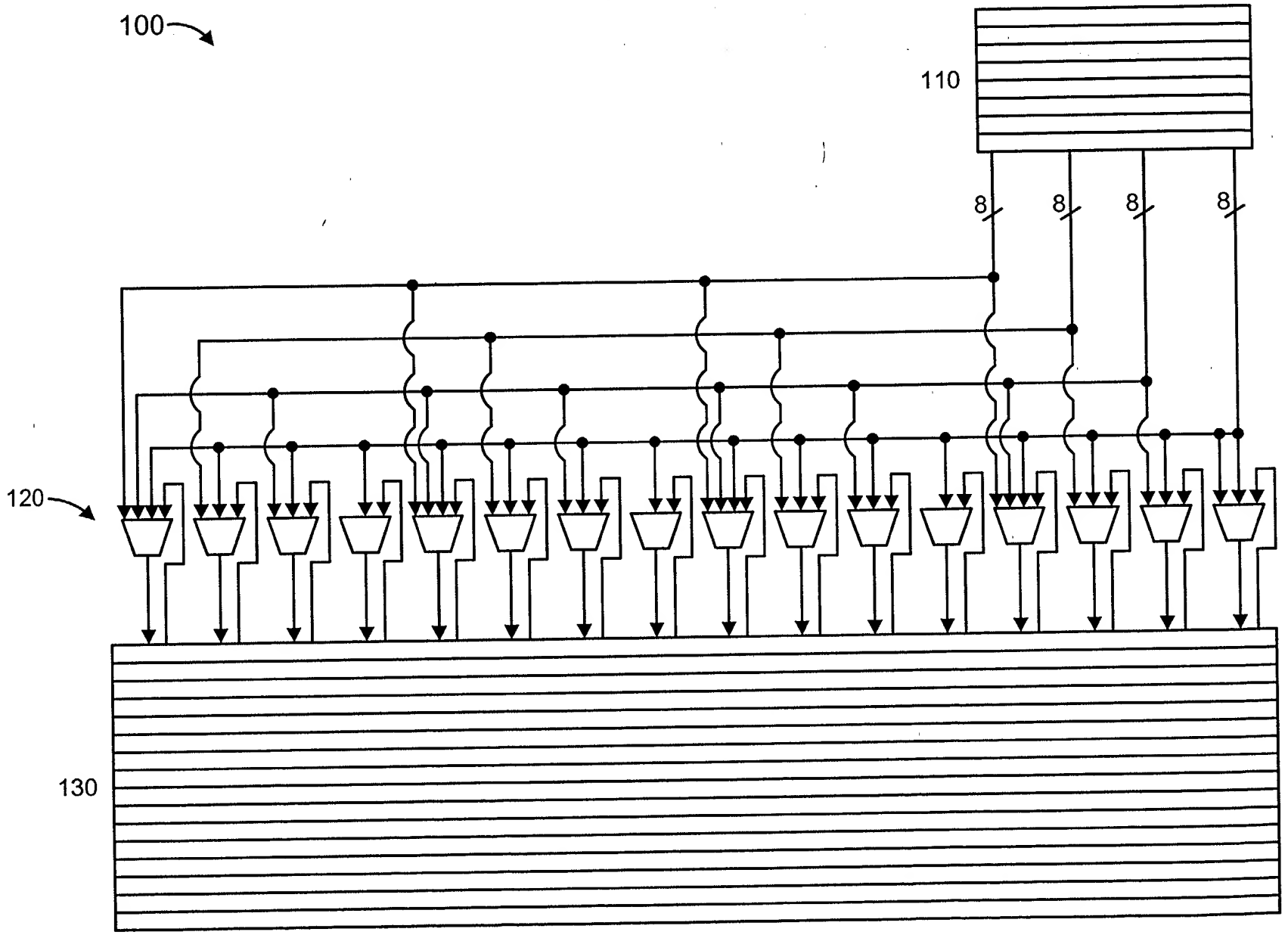

FIG. 1
(PRIOR ART)

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YDR9-2001-0006 (8128-545)

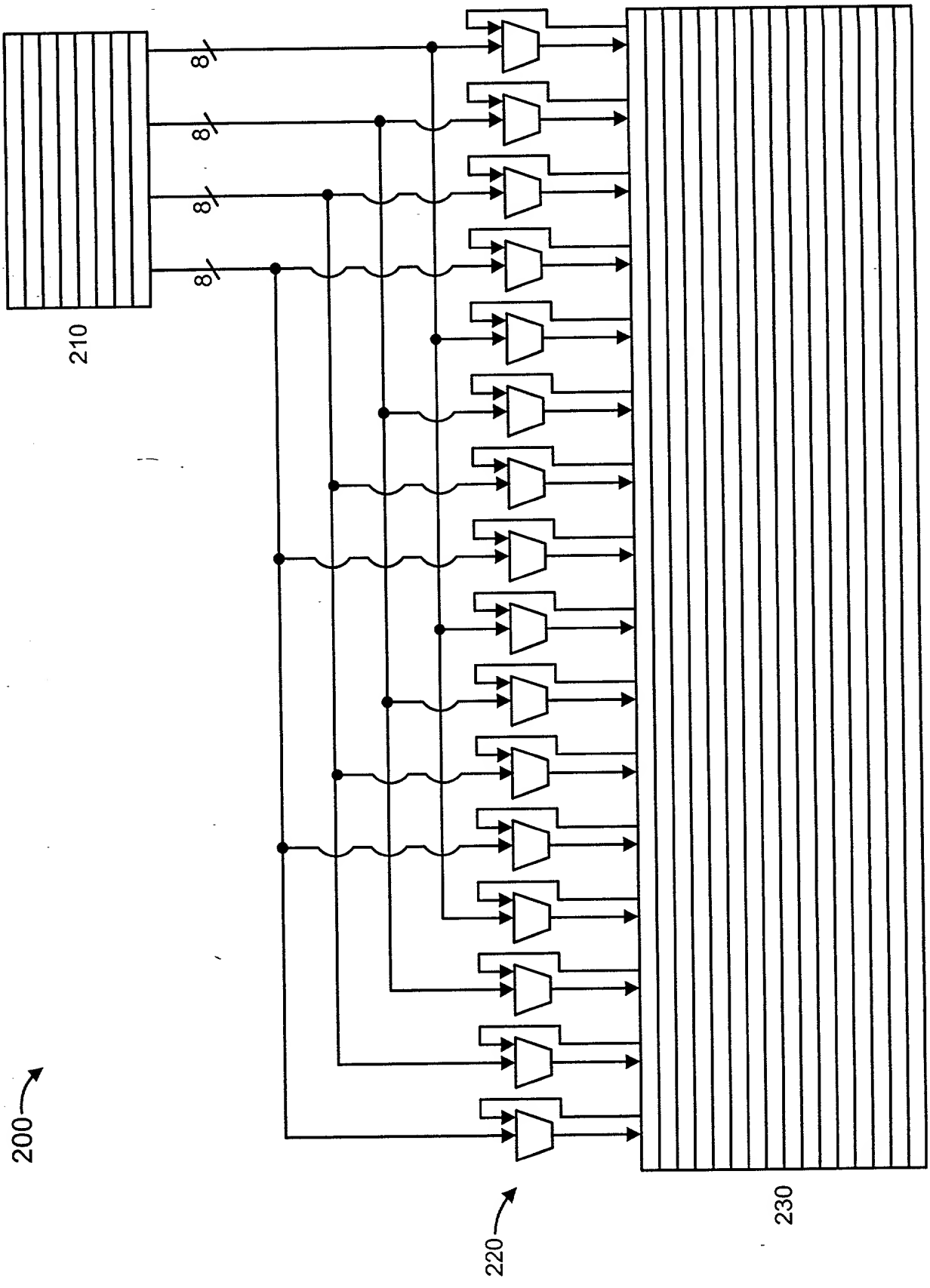

FIG. 2
(PRIOR ART)

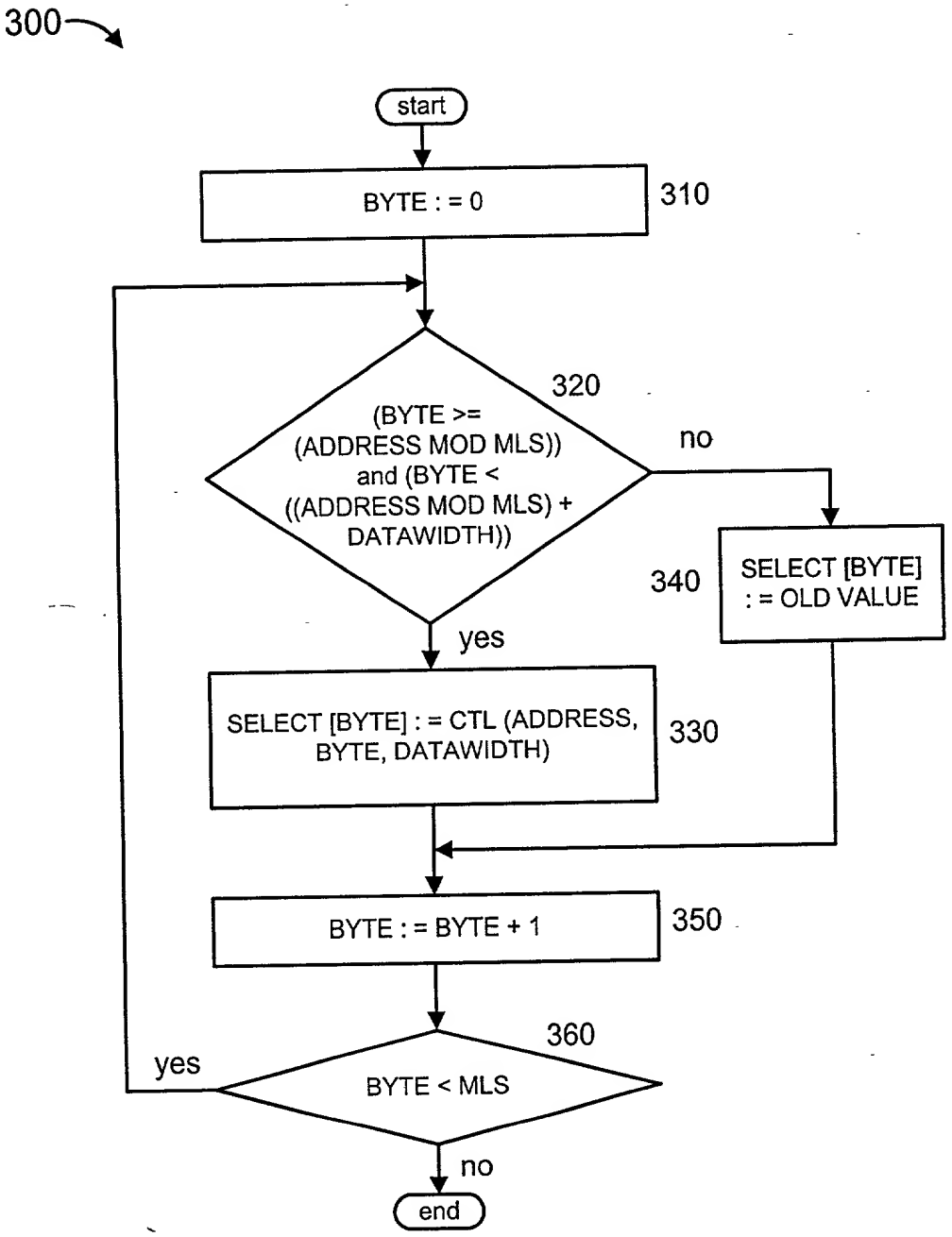

FIG. 3
(PRIOR ART)

YOR9-2001-0606 (8128-545)

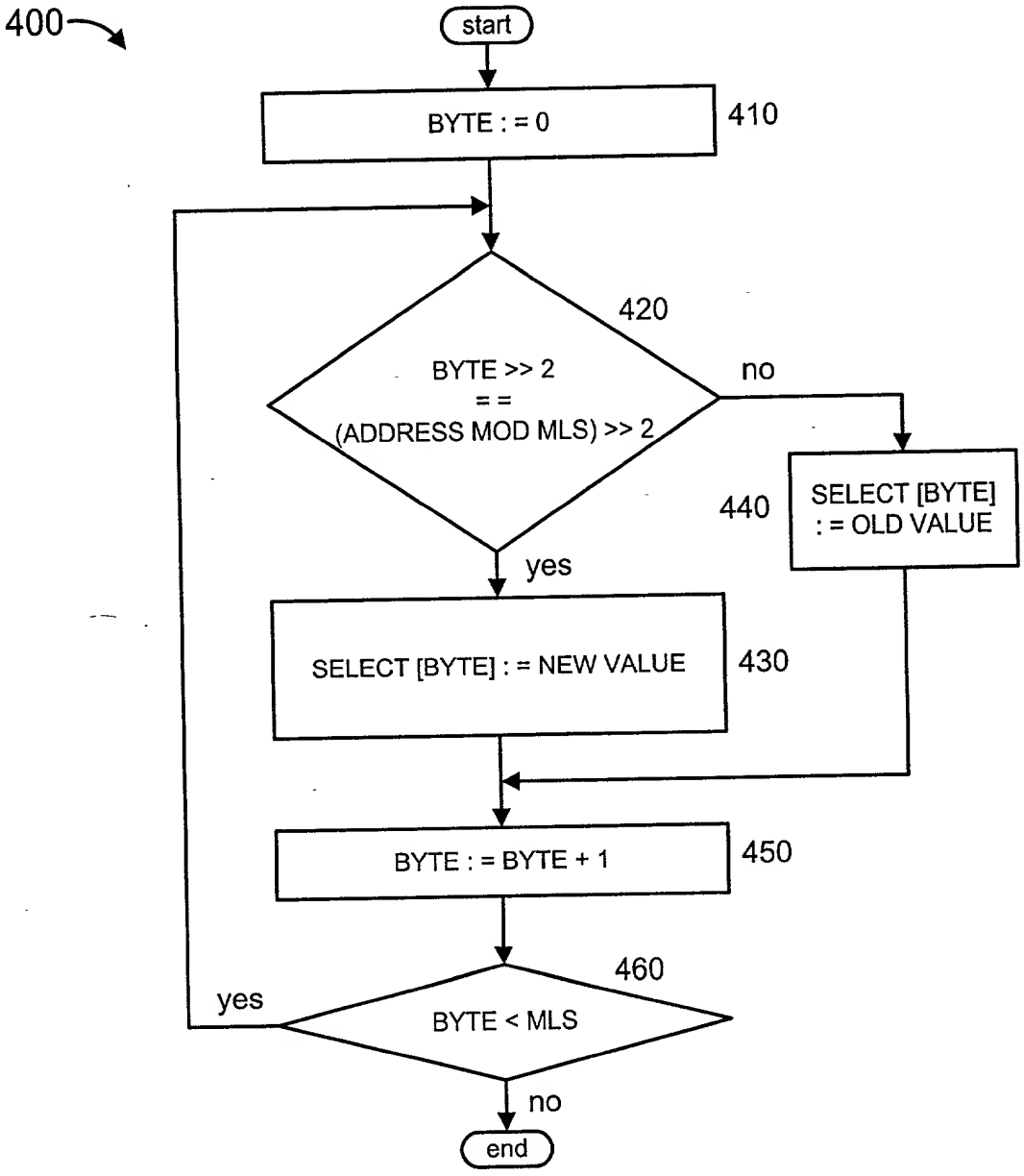

FIG. 4
(PRIOR ART)

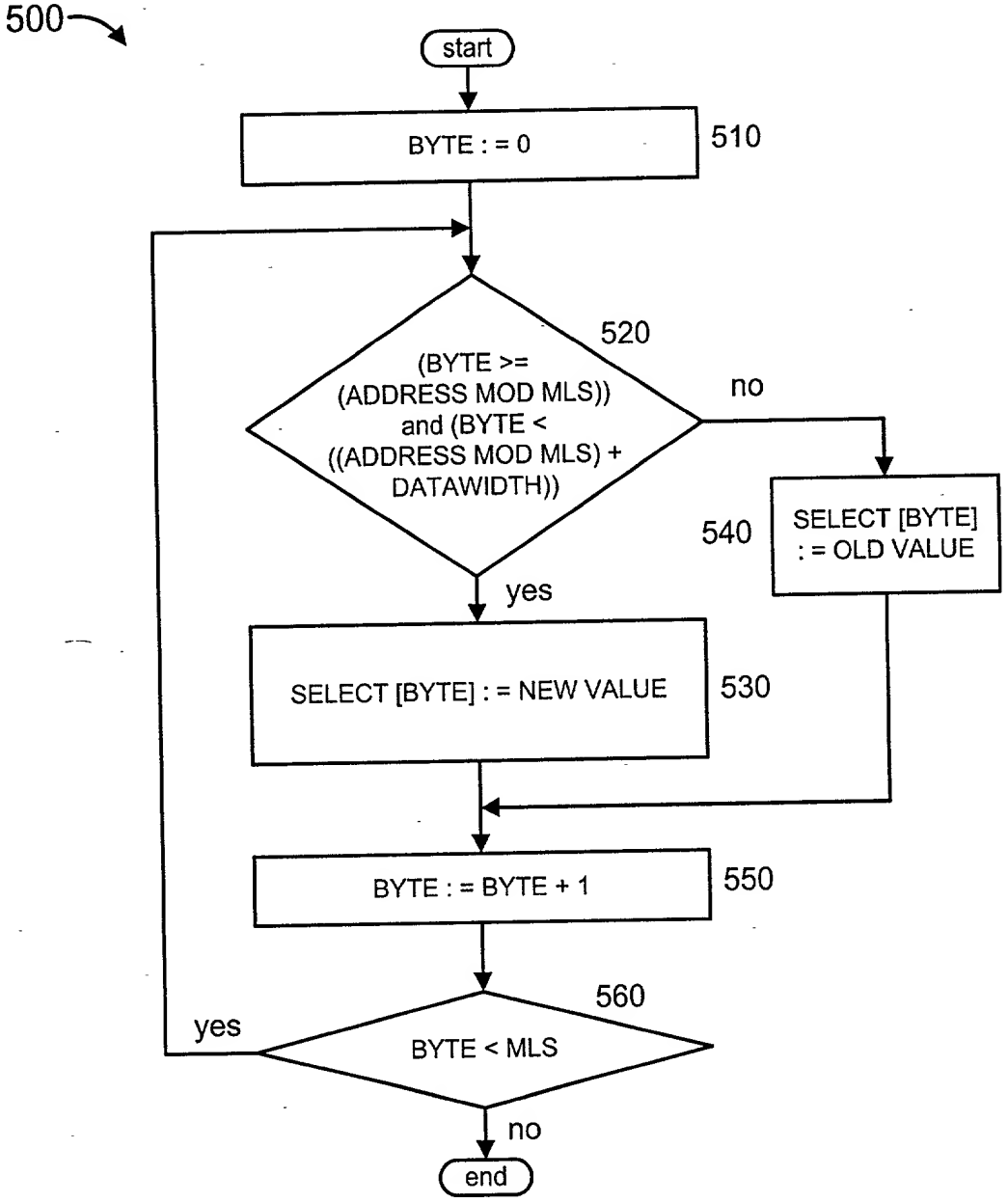
500
start
BYTE : = 0
510
(BYTE >= (ADDRESS MOD MLS)) and (BYTE < ((ADDRESS MOD MLS) + DATAWIDTH))
520
no
SELECT [BYTE] : = OLD VALUE
540
yes
SELECT [BYTE] : = NEW VALUE
530
BYTE : = BYTE + 1
550
BYTE < MLS
560
yes
no
end

FIG. 5

YOR9-2001-0606 (8728-545)

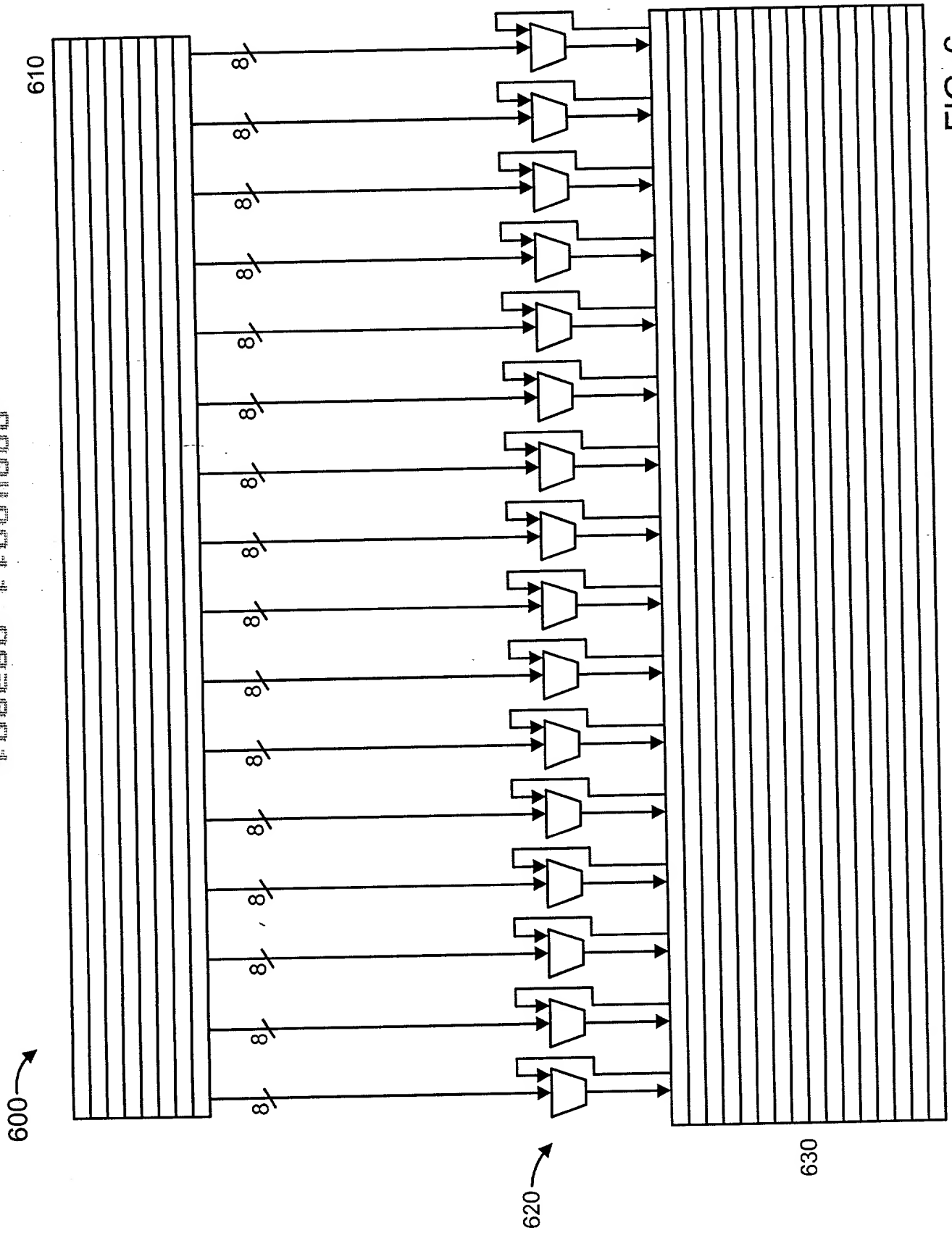

FIG. 6

subfi r3, r5, 3 ;	compute rotate count	r3 = 3 - r5
rotbl r2, r4, r3	; rotate bytes left	r2 = r4 ROTL (r3 * 8)
stb r2, 0(r5)	; store byte	mem[r5] = r2 using a 1-byte mask aligned with address 0(r5)

FIG. 7

Replacement Sheet

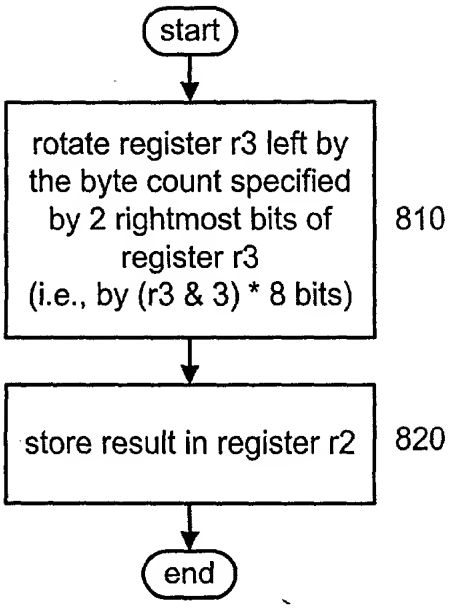

FIG. 8
(PRIOR ART)

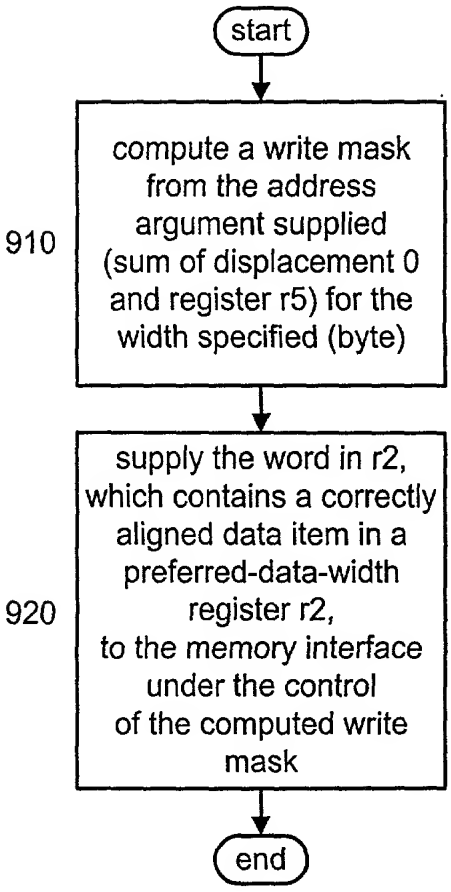

FIG. 9

YOR9-2001-0606 (8728-545)

```
subfi  r3, r5, 12      ; compute rotate count      r3 = 12 - r5
vrotbl r2, r4, r3      ; rotate bytes left         r2 = r4 ROTL (r3 * 8)
vstw r2, 0(r5)         ; store word                mem[r5] = r2 using a 1-word
                                                    (4-byte) mask aligned with
                                                    address 0(r5)
```

FIG. 10

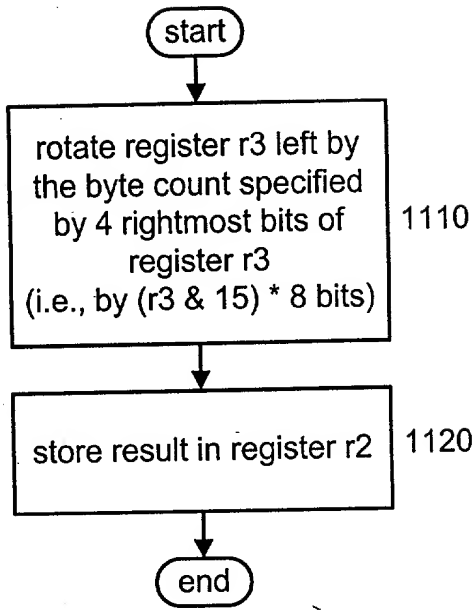

FIG. 11
(PRIOR ART)

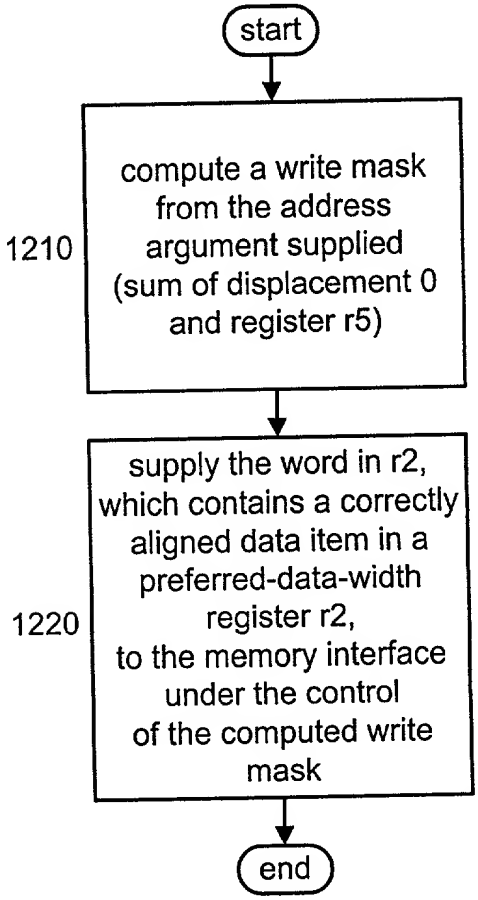

FIG. 12